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EXAMINER	
KHAN, SUHAIL	

ART UNIT	PAPER NUMBER
2617	

DATE MAILED: 05/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/675,931	KORPINEN, JARI TAPIO	
	Examiner	Art Unit	
	Suhail Khan	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *3/22/2006*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,7-22 and 24-39* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,7-22 and 24-39* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 3/22/2006 has been entered.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1, 7-22 and 24-39 rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent App. Pub. No. 2003/0139175 to Kim.

Referring to **claim 1**, Kim discloses a method for remote initiation of at least one application executable on a remote terminal device (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server), comprising: dialing a first sequence identifying a remote subscriber (page 9,

paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence); dialing at least one second sequence; and transmitting a call set-up request in order to establish a voice connection to a public land mobile network (PLMN) (page 3, paragraph 41, user's request for remote control; page 1, paragraph 5, voice, public switched telephone network); wherein said at least one second sequence corresponds to an application identifier which is associated with said at least one remote application (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process results are provided to the remote control application, the identification of the numeric key leads to appropriate control application, this command is interpreted as the second sequence); and wherein said call set-up request comprises said first sequence; and wherein said call set-up request further comprises said at least one second sequence (page 3, paragraph 41, user's request for remote control; page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence; page 8, paragraph 111, remote control command received from the remote terminal, numeric key process results are provided to the remote control application, the identification of the numeric key leads to appropriate control application, this command is interpreted as the second sequence).

Referring to **claim 7**, Kim discloses a method according to claim 1, wherein at least one of said at least one second sequence includes an application identifier and one or more parameter sequences for said at least one remote application (page 8, paragraph 111, remote control

command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence; page 9, paragraph 118, RC parameter).

Referring to **claim 8**, Kim discloses a method according to claim 7, wherein said extended subscriber sequence additionally comprises at least one separator, which delimits said first and/or second sequence from said first sequence and/or from said other second sequences (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected, interpreted as first sequence; page 5, paragraph 94, SEND button shown can be pressed to send first sequence. Now, separately, following is performed: page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence).

Referring to **claim 9**, Kim discloses a method according to claim 1, wherein said first sequence corresponds to a telephone number (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence).

Referring to **claim 10**, Kim discloses a method according to claim 1, further comprising: establishing a communication connection in consequence to said dialing; and transceiving DTMF-coded sequences to allow data communication with said remote terminal device (page 3, paragraphs 48 and 49, MS initiates a call, connected; DTMF is push button or touchtone dialing – SEND button and keys show in page 5, paragraph 94).

Referring to **claim 11**, Kim discloses a method for remote initiation of at least one application by an initiator terminal device (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or

server); characterized by: receiving an incoming call request originating from said initiator terminal device (page 3, paragraphs 48, MS initiates a call), wherein said request comprises a called party sequence (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected, interpreted as called party sequence); receiving at least one second sequence; and identifying at least one application in accordance with said at least one second sequence (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence; page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server), wherein the call request establishes a voice connection to a public land mobile network (PLMN) (page 1, paragraph 5, voice, public switched telephone network), and wherein said voice connection is an end-to-end communication between said initiator terminal device and a remote terminal device (page 14, paragraph 1, controlling a mobile terminal, hence end-to end; page 14, paragraph 2, voice call link).

Referring to **claim 12**, Kim discloses a method according to claim 11, wherein said at least one second sequence is received as a part of said called party sequence (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process results are provided to the remote control application, this command is interpreted as the second sequence, which is performed after identifying called party - page 9, paragraph 125, client searches through phone book), wherein said method further comprises: examining said called party sequence to determine whether said called party sequence corresponds to an extended subscriber sequence formed a subscriber number and said at least on second sequence; and

extracting said at least one second sequence from said called party sequence (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process results are provided to the remote control application, the identification and examination of the numeric key, interpreted as extraction, leads to appropriate control application, this command is interpreted as the second sequence).

Referring to **claim 13**, Kim discloses a method according to claim 11, wherein said incoming call request and said at least one second sequence are received separately (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected, interpreted as first sequence; separately, following is performed: page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence).

Referring to **claim 14**, Kim discloses a method according to claim 11, further comprising starting said at least one application (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application).

Referring to **claim 15**, Kim discloses a method according to claim 11, wherein said initiation of said at least one application allows for establishing a client/server environment with said initiator terminal device (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server).

Referring to **claim 16**, Kim discloses a method according to claim 11, wherein said called party sequence comprises a subscriber number (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end) and said at least one second sequence corresponds to an

application identifier which is associated with said at least one application (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application).

Referring to **claim 17**, Kim discloses a method according to claim 11, wherein at least one of said at least one second sequences corresponds to a parameter sequence for said at least one remote application (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application).

Referring to **claim 18**, Kim discloses a method according to claim 11, further comprising establishing a communication connection in consequence to said receiving of said indication; and transceiving DTMF-coded sequences to allow data communication with said initiator terminal device (page 3, paragraphs 48 and 49, MS initiates a call, connected; DTMF is push button or touchtone dialing – SEND button and keys show in page 5, paragraph 94).

Referring to **claim 19**, Kim discloses a computer program product for executing a method for remote initiation of one or more remote applications, comprising program code sections for carrying out the steps of claim 30 (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server), when said program is run on a computer, a terminal, a network device, a mobile terminal, a mobile communication enabled terminal or an application specific integrated circuit (page 3, paragraphs 48, MS).

Referring to **claim 20**, Kim discloses a computer program product comprising program code sections stored on a machine-readable medium for carrying out the method of claim 30 (page 8, paragraph 111, remote control software program executed by a remote control

application of the mobile terminal serving as a client or server), when said program product is run on a computer, a terminal, a network device, a mobile terminal, a mobile communication enabled terminal, or an application specific integrated circuit (page 3, paragraphs 48, MS).

Referring to **claim 21**, Kim discloses a computer data signal embodied in a carrier wave and representing instructions which when executed by a processor cause the steps of claim 30 to be carried out (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server; page 10, paragraph 132 shows a call processor).

Referring to **claim 22**, Kim discloses a terminal device capable of mobile communications (page 3, paragraphs 48, MS), comprising: a dialing mechanism which is adapted to dial (page 5, paragraph 94, SEND button and keys) a first sequence and at least one second sequence to instruct a remote terminal device to initiate at least one remote application executable on said remote terminal device (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server); wherein said first sequence identifies said remote terminal device (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence), wherein said at least one second sequence corresponds to an application identifier which is associated with said at least one remote application (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence); and a communication interface which is adapted to transmit a call set-up request and said at least one second sequence to a telephone

network (page 3, paragraph 48, MS initiates a call; page 1, paragraph 5, public switched telephone network); wherein said call set-up request comprises a called party sequence which includes at least said first sequence (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence) and wherein said call set-up request is for establishment of end-to-end communication between said terminal device and said remote terminal device (page 14, paragraph 1, controlling a mobile terminal, hence end-to end).

Referring to **claim 24**, Kim discloses a terminal device capable of mobile communications with an initiator terminal device (page 3, paragraph 39, exchange between mobile terminals), said terminal device including at least one application which is executable thereon (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server), comprising: a communication interface for receiving an incoming call request and at least one second sequence, wherein said incoming call request has been initiated by said initiator terminal device (page 3, paragraph 48, MS initiates a call); and an identification component for identifying at least one application in accordance with said at least one second sequence (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process results are provided to the remote control application, the identification of the numeric key leads to appropriate control application, this command is interpreted as the second sequence), wherein the call request is for establishing a voice connection to a public land mobile network (PLMN) (page 1, paragraph 5, voice, public switched telephone network) and wherein the voice connection is an end-to-end

communication to a remote terminal device (page 14, paragraph 1, controlling a mobile terminal, hence end-to end; page 14, paragraph 2, voice call link).

Referring to **claim 25**, Kim discloses a terminal device (page 3, paragraphs 48, MS) according to claim 24, comprising an examination component for examining said called party sequence to determine whether said called party sequence comprises among others said at least one second sequence (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process results are provided to the remote control application, the identification and examination of the numeric key leads to appropriate control application, this command is interpreted as the second sequence).

Referring to **claim 26**, Kim discloses a terminal device according to claim 24, comprising an extraction component for extracting said at least one second sequence from said called party sequence in case said called party sequence comprises said second sequence (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process results are provided to the remote control application, the identification and examination of the numeric key, interpreted as extraction, leads to appropriate control application, this command is interpreted as the second sequence).

Referring to **claim 27**, Kim discloses a terminal device according to claim 24, comprising an initiation component for starting said at least one application (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server).

Referring to **claim 28**, Kim discloses a system comprising an initiator terminal device and a remote terminal device (page 2, paragraph 15, system and method for enabling a user to

control a mobile terminal at a remote place; (page 3, paragraph 39, exchange between mobile terminals), wherein said initiator terminal comprises: a dialing mechanism (page 5, paragraph 94, SEND button and keys) which is adapted to dial a first sequence and at least one second sequence to instinct a remote terminal device to initiate at least one remote application executable on said remote terminal device (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server); wherein said first sequence identities said remote terminal device (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence), wherein said at least one second sequence corresponds to an application identifier which is associated with said at least one remote application (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence); a communication interface which is adapted to transmit a call set-up request and said at least one second sequence to a telephone network (page 3, paragraph 48, MS initiates a call; page 1, paragraph 5, public switched telephone network); wherein said call set-up request comprises a called party sequence which includes at least said first sequence (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence), and wherein said remote terminal comprises: a communication interface for receiving an incoming call request and at least one second sequence (page 3, paragraphs 48, MS initiates a call; page 3, paragraph 39, exchange between mobile terminals), wherein said incoming call request which has been initiated by said initiator terminal

device; and an identification component for identifying said at least one application in accordance with said at least one second sequence (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence), wherein said telephone network is a public land mobile network (PLMN) (page 1, paragraph 5, public switched telephone network), and wherein said call set-up request is for establishment of end-to-end communication between said initiator terminal and said remote terminal (page 14, paragraph 1, controlling a mobile terminal, hence end-to end).

Referring to **claim 29**, Kim discloses a system according to claim 28, further comprising an initiation component for starting said at least one application (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server).

Referring to **claim 30**, Kim discloses a method at a client device for remote initiation of at least one application executable on a remote terminal device (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server), said method characterized by: dialing a first sequence at said client device for identifying said remote terminal device (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence); dialing at least one second sequence at said client device, wherein said at least one second sequence corresponds to an application identifier which is associated with said at least one remote application at said remote terminal device (page 8, paragraph 111, remote control command received from the remote

terminal, numeric key process results are provided to the remote control application, the identification of the numeric key leads to appropriate control application, this command is interpreted as the second sequence); and transmitting a call set-up request for establishment of end-to-end communication between said client device and said remote terminal device; wherein said call set-up request comprises said first sequence, and wherein said call set-up request further comprises said at least one second sequence (page 14, paragraph 1, controlling a mobile terminal, hence end-to end).

Referring to **claim 31**, Kim discloses the method of claim 30, wherein said establishment of end-to end-communication further includes delivery of said dialed first sequence to said remote terminal device (page 14, paragraph 1, controlling a mobile terminal, hence end-to end; page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected, interpreted as first).

Referring to **claim 32**, Kim discloses the method of claim 30, wherein at least one of said second sequence includes an application identifier and one or more parameter sequences (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence; page 9, paragraph 118, RC parameter).

Referring to **claim 33**, Kim discloses the terminal device of claim 22, wherein said telephone network is a public land mobile network (PLMN) (page 1, paragraph 5, voice, public switched telephone network).

Referring to **claim 34**, Kim discloses a computer program product for executing a method for remote initiation of one or more remote applications, comprising program code sections for

carrying out the steps of claim 31, when said program is run on a computer, a terminal, a network device, a mobile terminal, a mobile communication enabled terminal or an application specific integrated circuit (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server).

Referring to **claim 35**, Kim discloses a computer program product for executing a method for remote initiation of one or more remote applications, comprising program code sections for carrying out the steps of claim 32, when said program is run on a computer, a terminal, a network device, a mobile terminal, a mobile communication enabled terminal or an application specific integrated circuit (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server).

Referring to **claim 36**, Kim discloses the terminal device of claim 22, wherein said establishment of end-to end-communication further includes delivery of said dialed first sequence to said remote terminal device (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected, interpreted as first sequence; page 5, paragraph 94, SEND button shown can be pressed to send first sequence).

Referring to **claim 37**, Kim discloses the terminal device of claim 22, wherein at least one of said second sequence includes an application identifier and one or more parameter sequences (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence; page 9, paragraph 118, RC parameter).

Referring to **claim 38**, Kim discloses 38 the terminal device of claim 22, wherein the remote terminal device is configured to initiate the remote application corresponding to the

second sequence without answering the call (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process results are provided to the remote control application, the identification of the numeric key leads to appropriate control application, this command is interpreted as the second sequence).

Referring to **claim 39**, Kim discloses the terminal device of claim 22, wherein the remote terminal device is a server application for setting up access by a client application of the remote terminal device (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server).

Response to Arguments

5. Applicant's arguments filed 3/22/2006 have been fully considered but they are not persuasive. Applicant argues that prior art does not disclose 'establishing an end-to-end call to a remote subscriber' and that 'the remote control command is part of the call establishment'. Kim shows controlling a mobile terminal in page 14, paragraph 1, hence end-to end. Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Broadest reasonable interpretation in light of the specification with regards to 'the first sequence and second sequence' would encompass 'user's request for remote control' as in page 3, paragraph 41 and 'remote control command received from the remote terminal' as in page 8, paragraph 111. The request and remote control command constitute the remote 'set-up'.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Suhail Khan whose telephone number is (571) 272-7910. The

examiner can normally be reached on M-F from 8 am to 4:30 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild, can be reached at (571) 272-4090.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

sk

JOSEPH FEILD
SUPERVISORY PATENT EXAMINER